

Plaslube® PA6/10 GF30 TS15

Polyamide 610
Techmer Engineered Solutions

Message:

Plaslube® PA6/10 GF30 TS15 is a Polyamide 610 (Nylon 610) product filled with glass fiber. It can be processed by injection molding and is available in North America.
Characteristics include:
Flame Rated
Lubricated
Wear Resistant

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	PTFE + Silicone Lubricant		
Features	Good Wear Resistance		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50	%	ASTM D955
Water Absorption (24 hr)	0.16	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	117	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	195	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.23		
vs. Steel - Static	0.18		
Wear Factor	18	10 ⁻⁸ mm ³ /N · m	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	207	°C	ASTM D648
CLTE - Flow	2.7E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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